

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 September 2005 (01.09.2005)

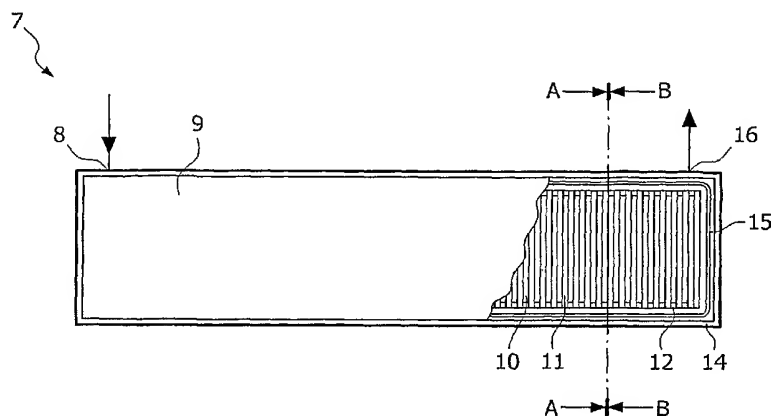
PCT

(10) International Publication Number  
**WO 2005/080885 A1**

- (51) International Patent Classification<sup>7</sup>: **F24H 1/12**
- (21) International Application Number:  
PCT/NL2005/000141
- (22) International Filing Date: 25 February 2005 (25.02.2005)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data:  
1025564 25 February 2004 (25.02.2004) NL  
1026873 19 August 2004 (19.08.2004) NL
- (71) Applicant (for all designated States except US): **FERRO  
TECHNIEK HOLDING B.V.** [NL/NL]; Bremstraat 1,  
NL-7011 AT Gaanderen (NL).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **KAASTRA, Simon**  
[NL/NL]; Koendersweg 2, NL-7091 HV Dinxperlo (NL).
- (74) Agents: **LANGENHUIJSEN, Bastiaan, Wilhelmus et  
al.**; Patentwerk B.V., P.O. Box 1514, NL-5200 BN 's-Her-  
togenbosch (NL).
- (81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.
- (84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,  
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,  
GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: DEVICE AND METHOD FOR HEATING LIQUIDS, AND BASE STRUCTURE



(57) Abstract: Devices for heating liquids have been known for a long time. The applications of these devices can also be of very diverse nature. Such heating devices are thus for instance already applied on a large scale as, or applied as component in, water kettles, dishwashers, washing machines, coffee-making machines, shower water heaters and the like. The invention relates to a device for heating liquids. The invention also relates to a base structure for use in such a device. The invention further relates to a method for heating liquids.

WO 2005/080885 A1

**Declaration under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM,

AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

**Published:**

- with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.